

Converting Colors

XYZ(20.9996, 10.8155, 1.4402)

Have a look what the booklet for
XYZ(20.9996, 10.8155, 1.4402)
contains.

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Color

**XYZ(21.0725, 10.8533,
1.4362)**

Conversions

Conversions Part 1

Format	Color
Hex	BD000F
RGB	189, 0, 15
RGB Percent	74%, 0%, 6%
CMY	0.2588, 0.9999, 0.9412
CMYK	0.00, 1.00, 0.92, 0.26
HSL	355°, 100%, 37%
HSV	355°, 100%, 74%
XYZ	21.0725, 10.8533, 1.4362
YIQ	58.2210, 107.8290, 44.7330

Conversions

Conversions Part 2

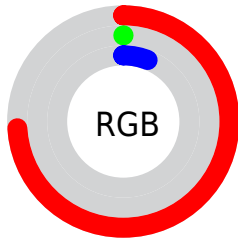
Format	Color
RYB	189, 0, 15
Decimal	12386319
CIELab	39.33, 64.12, 48.15
CIELCh	39, 80.181, 36.903
Yxy	10.8533, 0.6316, 0.3253
Android (android.graphics.Color)	4290576399 (0xFFBD000F)
YUV	58.2210, -21.3080, 114.6932
Hunter-Lab	32.9443, 56.5230, 20.4763

Details

The XYZ color **21.0725, 10.8533, 1.4362** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.8412, 39.4525, 46.3149**, and the grayscale version is **4.0716, 4.2836, 4.6649**.

A 20% lighter version of the original color is **44.7598, 27.4532, 7.4973**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.0721, 10.8531, 1.4350**, and if you desaturate by 10%, it is **21.4841, 11.3888, 2.4614**.

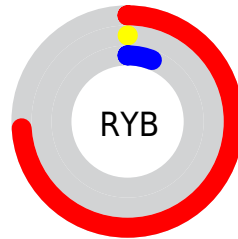
Distribution



Red (74%)

Green (0%)

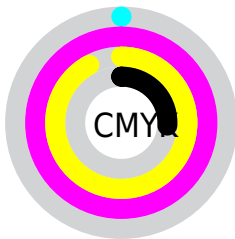
Blue (6%)



Red (74%)

Yellow (0%)

Blue (6%)

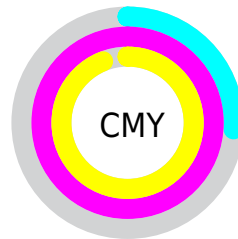


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0725, 10.8533, 1.4362 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.0725, 10.8533, 1.4362 by changing the saturation by 10% instead.


 21.0725, 10.8533,
1.4362


 21.0725, 10.8533,
1.4362


 250.3880,
196.6583, 112.8960


 13.2898, 5.9683,
0.1697


 44.6985, 27.3886,
7.4326


 7.7068, 2.8258,
0.0000


 61.2725, 39.8076,
13.1978


 3.9581, 1.0415,
0.0000


 81.5077, 55.5068,
21.3658

 1.6785, 0.0000,
0.0000

 105.7693, 74.8705,
32.3551

 0.4427, 0.0000,
0.0000


 134.4228, 98.2831,
46.5842


 0.0000, 0.0000,
0.0000


 167.8335,


126.1290, 64.4717


 206.3668,
158.7926, 86.4361


 21.0725, 10.8533,
1.4362


 21.0725, 10.8533,
1.4362

 21.0721, 10.8531,
1.4350

 21.4841, 11.3888,
2.4614

 22.2455, 12.4231,
4.2213

 23.4556, 14.1267,
6.8338

 25.1699, 16.5872,
10.3891

 27.4357, 19.8793,
14.9657

■ 30.2949, 24.0683,
20.6341

■ 33.7855, 29.2133,
27.4583

■ 37.9421, 35.3683,
35.4975

■ 42.7969, 42.5831,
44.8069

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.4751, 10.8533, 8.5859



21.0725, 10.8533, 1.4362



14.9592, 10.8533, 0.0000

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.0725, 10.8533, 1.4362



3.4000, 10.8533, 3.5588



11.6173, 10.8533, 72.9439

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.0725, 10.8533, 1.4362



25.8412, 39.4525, 46.3149

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.7489, 10.8533, 65.8749



21.0725, 10.8533, 1.4362



3.0508, 10.8533, 15.7723

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.0725, 10.8533, 1.4362



5.2448, 10.8533, 0.2584



4.0322, 10.8533, 40.2571



17.9089, 10.8533, 55.2458

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.0725, 10.8533, 1.4362



10.8882, 10.8533, 0.0000



4.0322, 10.8533, 40.2571



9.7637, 10.8533, 73.5257

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.0727, 10.8540, 1.4363



60.1708, 51.8199, 48.5180



26.4751, 12.5879, 49.1781



12.3475, 10.2700, 9.2794



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0727, 10.8540, 1.4363



37.7073, 19.4249, 2.3956



23.7658, 16.3777, 1.9096



9.5600, 9.5483, 10.0721



14.1898, 7.3071, 1.0273



0.5664, 0.2904, 0.0958

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.0727, 10.8540, 1.4363



37.7073, 19.4249, 2.3956



14.7902, 14.8833, 50.2370



9.5600, 9.5483, 10.0721



14.1898, 7.3071, 1.0273



0.5664, 0.2904, 0.0958

Previews

White Background



This preview shows how the XYZ color 21.0725, 10.8533, 1.4362 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0725, 10.8533, 1.4362

Background



This preview shows how black text looks on a background with the XYZ color 21.0725, 10.8533, 1.4362.



This preview shows how white text looks on a background with the XYZ color 21.0725, 10.8533,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.0725, 10.8533, 1.4362

Protanopia

10.5070, 11.5958, 3.0509

Deuteranopia

11.4868, 11.4752, 1.6095



Tritanopia

20.9395, 11.0923, 1.0374

Trichromacy



Original Color

21.0725, 10.8533, 1.4362

Protanomaly

12.1717, 8.7304, 2.0209

Deuteranomaly

13.2175, 9.0568, 1.1951

Tritanomaly

20.8861, 10.9417, 1.1547

Monochromacy



Original Color

21.0725, 10.8533, 1.4362

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.0233, 4.5545, 2.6994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0725, 10.8533, 1.4362 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(189, 0, 15)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 15)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(189, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 15) }
```

Border

The CSS property to change the border of an element to XYZ 21.0725, 10.8533, 1.4362 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 0, 15) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(189, 0, 15) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(189, 0, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0725, 10.8533, 1.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 15) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(189, 0,  
15) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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